

JP06148408 A

OPTICAL CONTROL SHEET

SEKISUI CHEM CO LTD



Abstract:

PURPOSE: To obtain light convergence which provides sufficiently bright vision in a front direction and diffusion which provides equally bright vision within a certain visual field angle range by performing fine unevenness machining or painting for light diffusion so that one surface consists of a regular waveform or many parallel mountain parts in macroview and a waveform or many mountain parts have fine unevenness in microview. **CONSTITUTION:** One surface of the optical control sheet 11 is a structure surface which is in a cross section sine wave shape in macroview and are made finely uneven by the mat processing of the waveform. The other surface 16 is made finely uneven by the mat processing. The macrostructure surface consisting of the regular waveform or parallel mountain parts contributes to a light converging function. The microstructure surface consisting of the finely uneven surface or a light diffusion paint surface contributes to a light diffusion function.

Inventor(s):

YOKOTA TOMOHIRO

NISHITANI FUMIO

Application No. 04301006 JP04301006 JP, **Filed** 19921111, **A1 Published** 19940527

Int'l Class: G02B00502 G02B00600 G02F0011335

Patents Citing This One (1):

US6862141 B2 20050301 General Electric Company
Optical substrate and method of making